

REMARKS

Claims 1-27 remain pending in the application.

Claims 1-27 over DiFrancisco

In the Office Action, claims 1-27 were rejected under 35 U.S.C. §102(b) as allegedly being anticipated by publication “Global Broadcast Service (GBS) End-To-End Services: Protocols and Encapsulation”, by Michael DiFrancisco et al., IEEE (2000), hereinafter “DiFrancisco”. The Applicant respectfully traverses the rejection.

Claims 1-23 recite **cloaking** an encrypted serial data stream, comprising encapsulating a **serial data stream** of encrypted data **into IP packets**, and transmitting the IP packets of encrypted serial data on a **public IP network**. Claims 24-27 recite means for encapsulating an encrypted **serial data stream** **into Internet Protocol (IP) packets** for transmission to another secure communications device using IP protocol, and means for routing said encapsulated, encrypted serial data stream over a **public Internet**.

The Examiner cites page 705 of DiFrancisco for allegedly teaching encapsulation of a serial data stream of encrypted data into IP packets, and page 707 for allegedly disclosing “that the unclassified store and forward and streaming IP services, available via IP network connections are encapsulated in TCP/IP and MPE prior to the MPEG2/DVB encapsulation.” (Office Action at 3)

DiFrancisco is a white paper that attempts to describe a global broadcast service (GBS). DiFrancisco’s Figure 2, on the cited page 705, shows an overview of the services to be offered by the GBS system. This is an important Figure to this paper, and the Examiner is respectfully asked to carefully re-review it.

In particular, Figure 2 is meant to be read from the top down. The top half of the figure summarizes the “Transmit Suite” layers, and the lower half summarizes the “Receive Suite” layers.

Simply put, **Figure 2 clearly shows that streaming data is NOT encapsulated by IP protocol.**

For example, the very top layer of the Transmit Suite is labeled "Transmit Suite Inputs". This would depict all inputs to the GBS. From that layer, the input may be passed to the IP layer (on the left portion of the figure 2), through an Asynchronous EIA-423 layer, through a synchronous EIA-422 layer, formatted into NTSC video, or RGB video. As taught by DiFrancisco, serial data would NOT pass through an IP layer, but rather through either the EIA-423, EIA-422, NTSC or RGB layers. The output of the "Serial Service" layer or the "Video/Audio Service" layer is injected directly into the MPEG-2 layer, to the DVB layer, and transmitted via the "RF Waveform" layer.

Similarly, with respect to reception, DiFrancisco clearly shows that streaming data is NOT decapsulated from an IP protocol.

For example, considering the lower half of Figure 2 labeled "Receive Suite", information is received via the "RF Waveform" layer, passed on via a DVB layer, and then via an MPEG-2 layer. According to Figure 2, serial data is passed either to a "Serial Service" layer, or to a "Video/Audio Services" layer. Again, as with respect to the transmit direction, received data is NOT passed through an IP layer.

Even the Examiner's cited passage at page 707, section 3.0, explains that it is the unclassified store & forward and streaming IP services that are encapsulated in TCP/IP and MPE prior to the MPEG-2/DVB encapsulation. Claims 1-27 clearly recite a serial data stream of encrypted data-not "streaming IP".

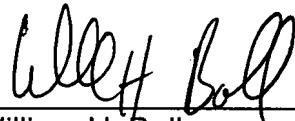
DiFrancisco fails to disclose encapsulating a serial data stream of encrypted data into IP packets as claimed by claims 1-24. Moreover, DiFrancisco fails to disclose encapsulating an encrypted serial data stream into Internet Protocol (IP) packets for transmission to another secure communications device using IP protocol.

For at least these reasons, claims 1-27 are patentable over the prior art of record. It is therefore respectfully requested that the rejection be withdrawn.

Conclusion

All objections and rejections having been addressed, it is respectfully submitted that the subject application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,



William H. Bollman
Reg. No.: 36,457
Tel. (202) 261-1020
Fax. (202) 887-0336

MANELLI DENISON & SELTER PLLC

2000 M Street, NW 7TH Floor
Washington, DC 20036-3307
TEL. (202) 261-1020
FAX. (202) 887-0336